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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 A.G. Filler et al.

Attorney Docket No. WRUW16938

3 Serial No: 08/028,795

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5 Title: IMAGE NEUROGRAPHY AND DIFFUSION ANISOTROPY IMAGING

6 AMENDMENT AND REQUEST FOR RECONSIDERATION

7 Seattle, Washington 98101

8 November 14, 1994.

9 TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

10 Please amend the above-identified application as follows and reconsider the claim rejections in
11 the July 11, 1994 Office Action.

12 AMENDMENT

13 In the Claims:

14 Please amend Claims 89, 93, 95, 111, 120, 135, 139, 150, 152, 153, 155, 156, 158 and 159 as
15 follows:

16 ~~Amend~~ 89. (Amended) A method of utilizing magnetic resonance to determine the shape and
17 position of mammal tissue, said method including the steps of:

18 (a) exposing an *in vivo* region of a subject to a magnetic polarizing field, the
19 *in vivo* region including non-neural tissue and a nerve, the nerve being a member of the group
20 consisting of peripheral nerves, cranial/nerves numbers three through twelve, and autonomic nerves;

21 (b) exposing the *in vivo* region to an electromagnetic excitation field;

22 (c) [producing an output indicative of the *in vivo* region's] sensing a resonant
23 response of the *in vivo* region to the polarizing and excitation fields and producing an output
24 indicative of the resonant response;

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